UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/568,969	10/10/2006	Junya Ohde	286085US6PCT	8866

22850   7590   12/23/2010
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EXAMINER
HUERTA, ALEXANDER Q

ART UNIT	PAPER NUMBER
2427	

NOTIFICATION DATE	DELIVERY MODE
12/23/2010	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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PTOL-90A (Rev. 04/07)

Office Action Summary	Application No.	Applicant(s)
	10/568,969	OHDE ET AL.
	Examiner	**Art Unit**	
	Alexander Q. Huerta	2427	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on _08 October 2010_.

2a) ☒ This action is **FINAL.** 2b) ☐ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) _22,24-32,34-41,43,48 and 49_ is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) _22,24-32,34-41,43,48 and 49_ is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☒ The drawing(s) filed on _22 February 2006_ is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☒ All   b) ☐ Some *   c) ☐ None of:

      1. ☒ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____.

      3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

DETAILED ACTION

Response to Arguments

On page 13 of the Applicant's Response, Applicants argue that none of the art of record discloses a recording log of a recorded content, which is aggregated together with the viewing log. After an attributes is selected, a list of content is generated, which includes content logged in the viewing log.

The Examiner respectfully disagrees with Applicant's arguments because Ellis discloses an interactive television program guide system that displays a screen listing recorded programs (Fig. 19). The screen listing displays programs which have been recorded locally and are available for selection by the user for playback. Furthermore, Ellis discloses that if the recorded program listing screen is accessed from one of the niche hubs, it may only list those recorded programs matching the criteria of the niche hub ([0148]). A movie genre screen is also taught by Ellis, in which users are presented a selection of movie genres that if selected, present to the user a list of a group of programs matching the selected option ([0162], Fig. 25).

Therefore, Ellis meets the limitation of a recording log of recorded content and generating a list of content after selecting an attribute. It would have been obvious to one of ordinary skill in the art to apply the technique of acquiring a recording log via a communication route and displaying a list of recorded content as taught by Ellis, to improve the television monitoring system of Herrington for the predictable result of enabling the user to see and playback their past recording choices. In addition, the Herrington reference was relied upon to teach a viewing log aggregated with a log of

purchase (Figs. 32A, 34). Thus, the combination meets the limitation of aggregating the

recording log with the viewing log

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 22, 26, 32, 36, 43 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Herrington et al. (US Pat. **6,922,843**) in view of Schlack et al. (US

Pub. **2002/0129368**), Boyer et al. (US Pub. **2009/0077589**), and in further view of

Zimmerman (US Pub. **2002/0140728**), herein referenced as Herrington, Schlack, Boyer,

and Zimmerman, respectively.

Regarding **claim 22**, Herrington discloses "an information providing apparatus

(Fig. 1A, i.e. set-top box) for providing added-value information associated with content

viewing selection, comprising: a viewing log information acquiring unit configured to

acquire a viewing log, the viewing log including a log of a viewing of content and a log of

a purchase of another content (Figs. 32A, 34, i.e. the system displays a viewing history

and a purchase log); a content-associated information acquiring unit configured to

acquire content- associated information associated with each content based on the

viewing log, the content-associated information including attribute-values for attributes

of each content, each content having a plurality of attributes including at least a genre

and a performer" (Col. 20 lines 25-35, Figs. 32A, 34, i.e. the system displays the date of when things were watched/purchased, the person watching, and how much purchases cost)

Herrington fails to explicitly disclose "each content having a plurality of attributes including at least a genre and a performer, an added-value information generating unit configured to measure a frequency of appearances of the attribute-values of the plurality of attributes of each content, the attribute-values having multiple appearances in the content-associated information, and rank the attribute-values for each attribute by the frequency of appearances based on the viewing log, and to generate added-value information, including a list of a predetermined number of the attribute-values which are ranked highest in the frequency of appearances among the log of the viewing of content and the log of the purchase of another content; and a presentation-information transmitting unit configured to transmit the added-value information."

Schlack discloses "an added-value information generating unit configured to measure a frequency (i.e. percent of total viewing time spent viewing program types and the duration of viewing) of the attribute-values of the plurality of attributes of each content, the attribute-values having multiple appearances in the content-associated information (i.e. multiple values for the percentages), and rank the attribute-values for each attribute by the frequency of appearances based on the viewing log (i.e. the program types are ranked based on most watched), and to generate added-value information, including a list of a predetermined number of the attribute-values which are

ranked highest in the frequency of appearances among the log of the viewing of content and the log of the purchase of another content ..." ([0069], [0071], [0175], Fig. 16)

Thus, it would have been obvious to one of ordinary skill in the art to apply the technique of including a frequency of appearances of the attribute values for each content in the viewing log and also ranking attribute-values as taught by Schlack, to improve the television monitoring system of Herrington for the predictable result of determining users favorite genre based on their program selections.

The combination fails to disclose that "each content having a plurality of attributes including at least a genre and a performer."

Boyer teaches that it was known in the art for program listings to have a plurality of attributes including at least a genre and actors ([0011]). Thus, it would have been obvious to one of ordinary skill in the art to apply the technique of including genre and actors for each program listing as taught by Boyer, to improve the television monitoring system of Herrington for the predictable result of providing the user with extra detailed information regarding the programs up front so that the user doesn't have to navigate through a variety of menus.

The combination fails to explicitly disclose "a presentation-information transmitting unit configured to transmit a signal to present added-information to a user".

Zimmerman discloses "a presentation-information transmitting unit configured to transmit a signal to present added-information to a user" ([0012], [0021], [0023], Figs. 1-3). Thus, it would have been obvious to one of ordinary skill in the art to apply the technique of displaying added-information to a user as taught by Zimmerman, to

improve the television monitoring system of Herrington for the predictable result of

enabling the user to see their viewing preferences profile so that they can determine

their favorite genres or programs.

Regarding **claim 26**, Herrington fails to disclose that "said presentation-

information transmitting unit is further configured to transmit an added-value information

screen that displays the list of predetermined number of attribute values which are

ranked highest in number of appearances."

Schlack discloses "an added-value information screen … [with a] list of the

predetermined number of attribute-values which are ranked highest in number of

appearances…" ([0069], [0071], [0175], Fig. 16). Thus, it would have been obvious to

one of ordinary skill in the art to apply the technique of providing an added-value

information screen that displays the list of predetermined number of attribute values

which are ranked as taught by Schlack, to improve the television monitoring system of

Herrington for the predictable result of clearly sorting the attribute information and

determining users favorite genre based on their program selections.

The combination still fails to disclose that "said presentation-information

transmitting unit is further configured to transmit an added-value information screen that

displays the list of the predetermined number of attributes…"

Zimmerman discloses that "said presentation-information transmitting unit is

further configured to transmit an added-value information screen that displays the list of

the predetermined number of attributes…" ([0012], [0021], [0023], Figs. 1-3). Thus, it

would have been obvious to one of ordinary skill in the art to apply the technique of

displaying added-information to a user as taught by Zimmerman, to improve the

television monitoring system of Herrington for the predictable result of enabling the user

to see their viewing preferences profile so that they can determine their favorite genres

or programs.

Regarding **claims 32, 36**, claims 32, 36 are interpreted and thus rejected for the

reasons set forth above in the rejection of claims 22, 26, respectively.

Regarding **claim 43**, claim 43 is interpreted and thus rejected for the reasons set

forth above in the rejection of claim 22.

Claims 24-25, 27, 29, 31, 34-35, 37, 39, 41, 48-49 are rejected under 35 U.S.C.

103(a) as being unpatentable over Herrington in view of Schlack, Boyer, Zimmerman,

and in further view of Ellis et al.(US Pub. **2004/0117831**), herein referenced as Ellis.

Regarding **claim 24**, Herrington discloses that "said content-associated

information acquiring unit is configured to acquire the content-associated information by

searching a content information database including attribute information of each content

based on the viewing log to acquire the content-associated information" (Col. 20 lines

25-35, Figs. 32A, 34, i.e. the navigator accesses viewing log and purchasing records

and displays them to the user).

Herring fails to explicitly disclose that "said presentation-information transmitting

unit is configured to transmit the added-value information via said communication

route".

Zimmerman discloses that "said presentation-information transmitting unit is configured to transmit the added-value information via said communication route" ([0012], [0021], [0023], Figs. 1-3, i.e. one of ordinary skill in the art would recognize that the display of the user profile would be transmitted to the user via a television display or the like, which meets the limitation a "communication route"). Thus, it would have been obvious to one of ordinary skill in the art to apply the technique of displaying added-information to a user as taught by Zimmerman, to improve the television monitoring system of Herrington for the predictable result of enabling the user to see their viewing preferences profile so that they can determine their favorite genres or programs.

Herrington discloses a television monitoring system to monitor and record a user's EPG activity and viewing habits using a set-top box, which can include a DVR or PVR (Col. 8 lines 4-11). Herrington further teaches the display of a purchase and viewing log (Figs. 32A, 34), however the combination fails to explicitly disclose that "said viewing log information acquiring unit is further configured to acquire a recording log of a recorded content, via a communication route, from a recording device, and aggregate the acquired recording log into the viewing log including the log of a viewing of content and the log of a purchase of another content"

Ellis teaches the technique of "acquir[ing] a recording log of a recorded content, via a communication route, from a recording device." ([0148], Figs. 1a, 19). Thus the combination of Herrington, Schlack, Boyer, Zimmerman and Ellis teaches the limitation of "aggregate the acquired recording log into the viewing log including the log of a viewing of content and the log of a purchase of another content."

Therefore, it would have been obvious to one of ordinary skill in the art to apply the technique of acquiring a recording log via a communication route as taught by Ellis, to improve the television monitoring system of Herrington for the predictable result of enabling the user to see their past recording choices.

Regarding **claim 25**, Herrington discloses that "said content-associated information acquiring unit is further configured to acquire content-associated information about each content based on the viewing log via a predetermined communication route" (Col. 20 lines 25-35, Figs. 1A, 32A, 34, i.e. one of ordinary skill in the art would recognize that the content information would be acquired the internal circuitry of the set-top box, which meets the limitation a "communication route")

Herrington discloses a digital video recorder (Fig. 1B) however fails to disclose that "said added-value information generating unit is further configured to generate the added-value information in said recording device."

Schlack discloses that "said added-value information generating unit is further configured to generate the added-value information in said recording device." ([0069], [0071], [0125], [0175], Fig. 16). Thus, it would have been obvious to one of ordinary skill in the art to apply the technique of generating added value information in the recording device as taught by Schlack, to improve the television monitoring system of Herrington for the predictable result of reducing processing complications at the content provider.

Herrington fails to disclose that "said viewing log information acquiring unit is further configured to acquire a recording log of a recorded content from a recording

device, aggregate the acquired recording log into the viewing log including the log of a

viewing of content and the log of a purchase of another content, and store the viewing

log in said recording device."

Ellis teaches the technique of "acquir[ing] a recording log of a recorded content,

via a communication route, from a recording device." ([0148], Figs. 1a, 19). Therefore, it

would have been obvious to one of ordinary skill in the art to apply the technique of

acquiring a recording log via a communication route as taught by Ellis, to improve the

television monitoring system of Herrington for the predictable result of enabling the user

to see their past recording choices.

Herrington discloses a television monitoring system to monitor and record a

user's EPG activity and viewing habits using a set-top box, which can include a DVR or

PVR (Col. 8 lines 4-11). Herrington further teaches the display of a purchase and

viewing log (Figs. 32A, 34). Thus the combination of Herrington, Schlack, Boyer,

Zimmerman and Ellis teaches the limitation of "aggregate the acquired recording log

into the viewing log including the log of a viewing of content and the log of a purchase of

another content."

Regarding **claim 27**, the combination fails to explicitly disclose "an input unit

configured to accept an attribute selection through said added-value information screen;

and a detail added-value information generating unit configured to search, in response

to a selection of an attribute accepted by said input unit, for a content associated with

the selected attribute the detail added-value information generating unit generating a list

of content discovered by the search, wherein said presentation-information transmitting

unit is configured to present said list of content discovered by the search."

Ellis discloses "an input unit configured to accept an attribute selection through

said added-value information screen; and a detail added-value information generating

unit configured to search, in response to a selection of an attribute accepted by said

input unit, for a content associated with the selected attribute the detail added-value

information generating unit generating a list of content discovered by the search,

wherein said presentation-information transmitting unit is configured to present said list

of content discovered by the search." ([0113], [0135]-[0136], [0161], [0164]-[0165], Figs.

3, 12, 25, 31, i.e. users are presented with a list of themes or genres. Users can select a

theme or genre and be presented with program listings corresponding to the selected

theme).

Thus, it would have been obvious to one of ordinary skill in the art to apply the

technique of allowing a user to select an attribute and search and display a list of

content associated with the selected attribute as taught by Ellis, to improve the

television monitoring system of Herrington for the predictable result of allowing users to

gather additional information, such as program listings, regarding specific genres

without having to search through all the programs.

Regarding **claim 29**, Herrington fails to disclose that "said list of content includes

schedule information describing future content broadcast or distribution schedule for a

content associated with the selected attribute and the schedule information includes a

broadcast or distribution schedule time of each content in the list of content."

Ellis discloses that "said list of content includes schedule information describing future content broadcast or distribution schedule for a content associated with the selected attribute and the schedule information includes a broadcast or distribution schedule time of each content in the list of content." ([0113], [0135]-[0136], [0161], [0164]-[0165], Figs. 3, 12, 25, 31). Thus, it would have been obvious to one of ordinary skill in the art to apply the technique of allowing a user to select an attribute and search and display a list of content associated with the selected attribute as taught by Ellis, to improve the television monitoring system of Herrington for the predictable result of allowing users to gather additional information, such as program listings, regarding specific genres without having to search through all the programs.

Regarding **claim 31**, Herrington fails to disclose that "said presentation-information transmitting unit is further configured to present said detail added-value information on a detail added-value information screen, and said input unit is configured to accept a selection of content from the list of content on the detail added-value information screen to trigger an operation to be performed on the selected content."

Zimmerman discloses that "said presentation-information transmitting unit is further configured to present said detail added-value information on a detail added-value information screen." ([0012], [0021], [0023], Figs. 1-3). Thus, it would have been obvious to one of ordinary skill in the art to apply the technique of displaying added-information to a user as taught by Zimmerman, to improve the television monitoring system of Herrington for the predictable result of enabling the user to see their viewing preferences profile so that they can determine their favorite genres or programs.

The combination still fails to explicitly disclose that "said input unit is configured to accept a selection of content from the list of content on the detail added-value information screen to trigger an operation to be performed on the selected content."

Ellis discloses that "said input unit is configured to accept a selection of content from the list of content on the detail added-value information screen to trigger an operation to be performed on the selected content." ([0113], [0135]-[0136], [0164]-[0165], Figs. 3, 12, 25, 31). Thus, it would have been obvious to one of ordinary skill in the art to apply the technique of allowing a user to select an attribute and search and display a list of content associated with the selected attribute as taught by Ellis, to improve the television monitoring system of Herrington for the predictable result of allowing users to gather additional information, such as program listings, regarding specific genres without having to search through all the programs.

Regarding **claims 34-35, 37, 39, 41**, claims 34-35, 37, 39, 41 are interpreted and thus rejected for the reasons set forth above in the rejection of claims 24-25, 27, 29, and 31, respectively.

Regarding **claim 48**, the Herrington fails to disclose "acquir[ing] a recording log of a recorded content, via a communication route, from a recording device, and aggregate the acquired recording log into the viewing log including the log of a viewing of content and the log of a purchase of another content; said detail added-value information generating unit is configured to search the viewing log for content associated with the selected attribute and generate the list of content including content logged in the viewing log; and said input unit is configured to accept a selection of

content from the list of content to trigger an operation to be performed on the selected

content, the operation being a reproduction operation when the selected content is a

recorded content logged in the recording log."

Ellis discloses that "acquir[ing] a recording log of a recorded content, via a

communication route, from a recording device …said detail added-value information

generating unit is configured to search the viewing log for content associated with the

selected attribute and generate the list of content including content logged in the

viewing log; and said input unit is configured to accept a selection of content from the

list of content to trigger an operation to be performed on the selected content, the

operation being a reproduction operation when the selected content is a recorded

content logged in the recording log" ([0148], Figs. 1a, 19, i.e. users can select programs

from the recorded programs list to begin playback of the selected program).

Thus the combination of Herrington, Schlack, Boyer, Zimmerman and Ellis

teaches the limitation of "aggregate the acquired recording log into the viewing log

including the log of a viewing of content and the log of a purchase of another content."

Therefore, it would have been obvious to one of ordinary skill in the art to apply

the technique of acquiring a recording log via a communication route and displaying a

list of recorded content as taught by Ellis, to improve the television monitoring system of

Herrington for the predictable result of enabling the user to see and playback their past

recording choices.

Regarding **claim 49**, claim 49 is interpreted and thus rejected for the reasons set

forth above in the rejection of claim 48.

Claims 28, 30, 38, 40 are rejected under 35 U.S.C. 103(a) as being unpatentable

over Herrington in view of Schlack, Boyer, Zimmerman, Ellis, and in further view of

Potrebic et al. (US Pub. **2003/0212708**), herein referenced as Potrebic.

Regarding **claim 28**, Herrington generating a list content including content

logged in the viewing log (Col. 20 lines 25-35, Figs. 32A, 34), however fails to explicitly

disclose that "said detail added-value information generating unit is configured to search

the viewing log for content associated with the selected attribute ..."

Ellis teaches the technique of selecting an attribute and "generat[ing] added-

value information including a list of content associated with the selected attribute..."

([0113], [0135]-[0136], [0164]-[0165], Figs. 3, 12, 25, 31). Thus, it would have been

obvious to one of ordinary skill in the art to apply the technique of allowing a user to

select an attribute and search and display a list of content associated with the selected

attribute as taught by Ellis, to improve the television monitoring system of Herrington for

the predictable result of allowing users to gather additional information, such as

program listings, regarding specific genres without having to search through all the

programs.

The combination still fails to explicitly disclose that "said detail added-value

information generating unit is configured to search the viewing log for a content

associated with the ... attribute."

Potrebic discloses "said detail added-value information generating unit is configured to search the viewing log for a content associated with the ... attribute." ([0062], [0063], Fig. 7, i.e. Potrebic teaches the technique of searching a viewer's viewing history against a database of TV programs). Thus, it would have been obvious to one of ordinary skill in the art to apply the technique of searching the users viewing log to inform them of shows of related to what they watched that might be of interest as taught by Potrebic, to improve the television monitoring system of Herrington for the predictable result of reminding the user that a show of interest will be broadcast sometime in the future so that they do not miss it.

Regarding **claim 30**, Herrington fails to disclose that "said presentation-information transmitting unit is further configured to present said detail added-value information on a detail added-value information screen, and said input unit is configured to accept a selection of content from the list of content on the detail added-value information screen to trigger an operation to be performed on the selected content."

Zimmerman discloses that "said presentation-information transmitting unit is further configured to present said detail added-value information on a detail added-value information screen." ([0012], [0021], [0023], Figs. 1-3). Thus, it would have been obvious to one of ordinary skill in the art to apply the technique of displaying added-information to a user as taught by Zimmerman, to improve the television monitoring system of Herrington for the predictable result of enabling the user to see their viewing preferences profile so that they can determine their favorite genres or programs.

The combination still fails to disclose that "said input unit is configured to accept a selection of content from the list of content on the detail added-value information screen to trigger an operation to be performed on the selected content."

Ellis discloses that "said input unit is configured to accept a selection of content from the list of content on the detail added-value information screen to trigger an operation to be performed on the selected content." ([0113], [0135]-[0136], [0164]-[0165], Figs. 3, 12, 25, 31). Thus, it would have been obvious to one of ordinary skill in the art to apply the technique of allowing a user to select an attribute and search and display a list of content associated with the selected attribute as taught by Ellis, to improve the television monitoring system of Herrington for the predictable result of allowing users to gather additional information, such as program listings, regarding specific genres without having to search through all the programs.

Regarding **claims 38, 40**, claims 38, 40 are interpreted and thus rejected for the reasons set forth above in the rejection of claims 28, 30, respectively.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Alexander Q. Huerta whose telephone number is (571)

270-3582. The examiner can normally be reached on M-F(Alternate Fridays Off) 7:30-

5:00 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Scott Beliveau can be reached on (571) 272-7343. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

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USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Alexander Q Huerta
Examiner
Art Unit 2427

December 18, 2010

/Scott Beliveau/
Supervisory Patent Examiner, Art Unit 2427